

NICKEL CATALYZED ADDITION OF -NH- CONTAINING COMPOUNDS TO VINYL AND ARYL HALIDES

Abstract

A process for producing unsaturated nitrogen containing compounds such as enamides, enamines and aryl amines/amides is disclosed. A vinyl halide or aryl halide is reacted with an -NH- containing compound in the presence of a catalytic amount of a catalyst precursor composition comprising a zero-valent nickel and an organophosphine or carbene ligand. One step coupling of vinyl halides and aryl halides with -NH- containing compounds is made possible by practice of the invention.

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